## FORD MOTOR COMPANY

**EXECUTIVE ORDER A-010-1442-1** New Diesel or Incomplete Medium-Duty Vehicles Using Certified Engines

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and

IT IS ORDERED AND RESOLVED: The following diesel or incomplete medium-duty vehicles (MDV) with a manufacturer's GVWR from 8501 to 14000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY			<del></del>	E	IGINE DESCRIPTION			<del></del>	
	7NVXH08.4AGC			ENGINE IUFACTURER	EMISSION	FUEL TYPE 1	STANDARDS	3/1/3	ECS & SPECIAL FEATURES 3	EF OBD
				ATIONAL TRU	STD CATEGORY 2	Pi 1	& TEST PROCEDURE			
2007	A-(	004-0309	- AN	ID ENGINE	ULEV	Diesel			DDI, TC(2), CAC, ECM, EGR, OC,	OBD(F
EVA	, LPG or	Alcohol V	Vehicles Only FUEL TANK	VEHICLE I		VEI	Diesel IICLE DESCRIP	TION	PTOX	
	AMILY UL (K)		CAPACITY (gallons)	MODEL YEAR		AKE & MODELS	VEH, OBD	ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)	ENG.
•			2008		Ford: F-250 2WD/		6.4	A350 / A350 (350)	OBD	
iot applic	cable: GV	WR≃gross	vehicle weight n watt; EF=engine	ation: 42 CCD	T			• ]	0, Code of Federal Regulations, Section 6	

\*-not applicable; GVWR\*gross vehicle weight rating; 13 CCR xyz=1ttle 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=1ttle 40, Code of Federal Re-—filter; hp=horsepower; kw=kilowatt; EF=engine family;
CNG/LNG\*compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=B5% ethanol fuel; MF≃multi fuel a.k.a BF=bi fuel; DF=dual fuel; FF=flexible fuel;

CNG/LNG=compressed/iquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a BF=bi fuel; DF=dual fuel; FF=flexible fuel;

SULEV / LLEV / LEV=super ultra / ultra / low emission vehicle;

ECS=emission control system; TWC/OC=lhree-way/oxidizing catalyst; WU (prefix) =warm-up catalyst; DFF=diesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throllile body fuel injection; SFI/MFI=sequential/multi port fuel injection; DGG=direct gasoline injection; SPL=smoke puff limiter; OBD(F) / (P) / (\$)=full / partial with a fine / on-board diagnostic; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2)

Following are: 1) the FTP exhaust emission standards or family emission limit(s) as applicable under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavyduty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For dual- and flexible-fuel, the CERT values in brackets [] are

	NMHC NMHC		NOx		NMHC+NOx		T					
i	FTP EURO		FTP	EURO	FTP		СО		PM		нсно	
$\overline{}$	0.14	0.14			FIF	EURO	FTP	EURO	FTP	EURO	FTP	
.	•	0.14	<del></del> _		*	•	14.4	14.4	0.01			EURC
RT				L*	1.3	1.3		<del>                                     </del>	0.01	0.01	0.050	0.050
	0.06	0.004			1.2	0,9	4.6	<del> </del> _			_	•
	0.21		•				1.6	0.03	0.001	0.000	0.009	0.005
g/bhp-hr=grams per brake horsepower-hour: FTP=Federal Test P p: FEL=family emission limit: CERT=certification level; NMHC/HC=  IT FURTHER RESOLVED: Contification to					1.95		18.0		0.015		0.075	
reL=ramily	emission lin	nil, CERT=cer	tification leve	I; NMHC/HC=	non-methane/	hydrocarbon: NC	opean Steady-: Dx≍nvides of ni	State Cycle; NTI	=Not-to-Excee	d emission limit	: STD=standard o	r emission te

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the optional emission standards and test procedures in 13 CCR 1956.8 applicable to diesel or incomplete MDV with a 8501-14000 pound GVWR and shall be subject to 13 CCR 2139(c) (in-use testing of engines certified for use in diesel or incomplete MDV with a 8501-14000 pound GVWR).

BE IT FURTHER RESOLVED: The listed engine models have been certified on the condition that the manufacturer provide all the on-board diagnostic data required by 13 CCR Section 1968.2(h)(2.4) by March 23, 2007. Failure to submit the required demonstration data by the specified date, or failure of the submitted demonstration data to show compliance with the test procedures, shall be cause for the Air Resources Board to revoke this Executive Order and engines sold under the revoked conditional certification shall be deemed uncertified.

BE IT FURTHER RESOLVED: For the listed vehicle models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1968.2 (on-board diagnostic, full or partial compliance), 13 CCR 1976(b)(1)(B)-(C) or 13 CCR 1976(b)(1)(F) (evaporative emission standards), 13 CCR 2035 et seq. (emission control warranty), and 13 CCR 2235 [fill pipes and openings of motor vehicle fuel tanks]. (The braces { } are for gasoline, LPG or alcohol fueled vehicles only. The

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

This Executive Order hereby supersedes Executive Order A-010-1442 dated January 25, 2007.

Executed at El Monte, California on this

day of March 2007.

durenco Annette Hebert, Chief Mobile Source Operations Division